AGC/SSD/SRR/000001/21-22 dt. 22/4/2021

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

346332

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work!- Improvements and maintenance of Culvert at Mallasandra Colony and Surrounding area in ward NO. 13 Mallasandra Shettyhalli Sub division.						
	Job Code !- 013-20-000012						
	Est Cost !- 10.00 Lakhs.						
	AS NO !- EE/DD/AS/102/2019-20, Dated !- 30.01.2019						
	TS NO !- EE/DD/TS/64/2018-19, Dated !- 30.01.2019						
	Work order NO!- BBMP/EE/DD/WO/520/2019-20, Dated :- 22.01.2020.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
①	Earthwork excavation by manual means for roads, drains, & similar works in ordinary soil involving ~~it~~ its completed as per Specification.						
	Pre-measurement Qty vide this M.B. page No. 346336					= 90.73 m^3	
	@ R.S 175.00/m^3 R.S					= 15878.28	
②	Providing and laying in position plain cement Concrete of mix 1:8:16 with OPC Cement @ 220 kgs with 20mm and down size grade granite ~~it~~ its completed as per Specification.						
	Pre-measurement Qty vide this M.B. Page No. 346337					= 11.89 m^3	

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

346

Date	Full description, etc, of work	Dimensions				Contents	F
		Number	Length	Breadth	Depth		M
1	2	3	4	5	6	7	
		@ R.S. 4900.00/m^3				R.S. = 58	
③	providing and laying plain/reinforced Cement Concrete for S.C using M20 nominal mix Concrete with opc at 300 kgs. with 2 down size granite metal coarse aggregate at 0.69 cum and at 0.43 cum ~~it~~ its completed as per Specification.						
	For RCC Culvert Bed concrete.						
a)	For culvert - 1, 2nd cross (In front of Ambedkar Bhavan)	1	X 5.80	X 1.80	X 0.20 = 2.09		cu

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
b)	For culvert-2, 3rd cross	1 X	6.50 X	1.80 X	0.20 =	2.34 m^3	
c)	For culvert-3, 3rd cross	1 X	5.10 X	1.50 X	0.20 =	1.53 m^3	
d)	For culvert-4	1 X	5.00 X	1.50 X	0.20 =	1.50 m^3	Sorted 04/01/2021
e)	For culvert-5, 11th cross from mallasandra village Road	1 X	4.60 X	1.50 X	0.20 =	1.88 m^3	
f)	For culvert-6, Near Rama mandira	1 X	9.00 X	1.20 X	0.20 =	2.16 m^3	
	For culvert Side wall						
g)	For culvert-1, 2nd cross (3rd front of Ambedkar bhavan)	2 X	5.80 X	0.30 X	1.00 =	3.48 m^3	

M. A. R. 57 (Rule 116) No. D

Measurement Book

346334

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
b)	For culvert-2, 3rd cross	2 X	6.50 X	0.30 X	0.98 =	3.82 m^3	
c)	For culvert-3, 3rd cross	2 X	5.10 X	0.30 X	0.90 =	2.75 m^3	
d)	For culvert-4	2 X	5.00 X	0.30 X	0.86 =	2.58 m^3	02/01/2021
e)	For culvert-5, 11th cross from mallasandra village Road	2 X	4.60 X	0.30 X	0.90 =	2.48 m^3	
f)	For culvert-6, Near Rama mandira	2 X	9.00 X	0.30 X	0.92 =	4.97 m^3	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Culvert/S Deck						
a)	For Culvert-1, 2nd cross (Infront of Ambedkar bhavan)	1	5.80	1.80	0.30	3.13 m^3	
b)	For Culvert-2, 3rd cross	1	6.50	1.80	0.30	3.51 m^3	
c)	For Culvert-3, 3rd cross	1	5.10	1.50	0.30	2.30 m^3	
d)	For Culvert-4,	1	5.00	1.50	0.30	2.25 m^3	
e)	For Culvert-5, 11th cross from mallasandra village Road	1	4.60	1.50	0.30	2.07 m^3	
f)	For Culvert-6, Near Rama mandira	1	9.00	1.20	0.30	3.24 m^3	

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

346335

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Culvert/S Ramp						
a)	For Culvert-1, 2nd cross (Infront of Ambedkar bhavan)	2	5.80	0.75	0.15	1.31 m^3	
b)	For Culvert-2, 3rd cross	2	6.50	0.80	0.15	1.56 m^3	
c)	For Culvert-3, 3rd cross	2	5.10	0.73	0.15	1.12 m^3	
d)	For Culvert-4	2	5.00	0.72	0.15	1.08 m^3	
e)	For Culvert-5, 11th cross from Mallasandra village Road	2	4.60	0.60	0.15	0.83 m^3	
f)	For Culvert-6, Near Rama mandira	2	9.00	0.90	0.15	2.43 m^3	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
			Present Qty =			55.91 m^3	
			Limited Qty =			55.73 m^3	
			@ Rs 4950/m^3			Rs = 275863.50	
4	Providing T.M.T Steel reinforcement for R.C.C. work including Straightting cutting bending, hooking placing etc Completed as per Specification.						
	Pre-measurement Qty vide Tufs M.B. Page No. 346338 to 346340 = 5.00 Tonne						
	@ Rs. 65000/Tonne					Rs = 326300.00	
	GST Charges 18%					Rs = 58734.00	
	Grand Total					Rs = 385034.00	

Stored 15/07/21

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಪ್ರಥಮ ದರ್ಜೆ, ಗುತ್ತಿಗೆದಾರರು, ಬಾಲಭವನ ವೃತ್ತ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಕ್ಷಿಣ, ಬೆಂಗಳೂರು.

Audited and admitted for Rs. 75445/- Pre Measurements
Passed by Chainage for Rs. 11355 Cr.

M. A. R. 57 (Rule 116) No. D
Measurement Book

Name of Work: Three Hundred Sixty Nine Only
Name of Contractor or Agency:
Date of commencement of work:
Date of completion:

Abstract: Full description, etc. of work — P.T.M.P. Doraisahlli Division

Number	Dimensions: Length	Breadth	Depth	Contents	Reference to last Measurement
3	4	5	6	7	8
			Lase → 7575 = 00		
			CBR → 3575 = 00		
			Kot → 10646 = 00		
			GST → 6763 = 00		
			68528 = 00		

① Earthwork Excavation by manuals means for roads, drains and Similar work in ordinary Soil involving, Excavated Surface leveled & Sides neatly dressed, the disposed earth to be levelled neatly if is Completed as per Specifications.

a)	For Culvert-1, 2nd cross (infront of Ambedkar bhavan)	1	X 5.80 X 2.18 X 1.10 = 13.91 Cum	
b)	For Culvert-2, 3rd cross	1	X 6.50 X 2.20 X 1.08 = 15.58 Cum	
c)	For Culvert-3, 3rd Cross	1	X 5.10 X 2.23 X 1.10 = 12.51 Cum	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
d)	For culvert - 4	1 X	5.00 X	2.17 X	1.05 =	11.39 Cum	
e)	For culvert -5, 11th Cross from Mallasandra village Road	1 X	4.60 X	2.19 X	1.00 =	10.07 Cum	
f)	For culvert-6, Near Rama mandira	1 X	9.00 X	2.21 X	1.06 =	21.08 Cum	
	For dis:lting in open drain	1 X	8.40 X	0.60 X	0.50 =	2.52 Cum	
		1 X	12.20 X	0.60 X	0.50 =	3.66 Cum	
					present qty =	90.73 Cum	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ಉಪವಿಭಾಗ, ಮಾರತಹಳ್ಳಿ ಮತ್ತು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

23/12/2020

M. A. R. 57 (Rule 116) No. D
Measurement Book

346337

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(2)	Providing and laying in position plain Cement Concrete of mix 1:3:6 with OPC Cement @ 220 kgs with 20mm down Size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 Cum, machine mixed, this Completed as per Specification.						
a)	For culvert-1, 2nd Cross (Infront of Ambedkar Bhavan)	1 X	5.80 X	2.18 X	0.15 =	1.90 Cum	
b)	For culvert-2, 3rd Cross	1 X	6.50 X	2.22 X	0.15 =	2.16 Cum	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
c)	For Culvert -3, 3rd cross	1	5.10	2.23	0.15	1.71 Cum	
d)	For Culvert -4	1	5.00	2.17	0.15	1.63 Cum	
e)	For Culvert -5, 11th Cross From Mallasandra village Road	1	4.60	2.19	0.15	1.51 Cum	
f)	For Culvert -6, Near Rama mandira	1	9.00	2.21	0.15	2.98 Cum	
				Present qty =		11.89 cum	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಸಿಬ್ಬಂದಿ ಮತ್ತು ಆಡಳಿತ, ನಾಡಪ್ರಭು ಕೆಂಪೇಗೌಡ ಪಾಲಿಕೆ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

346338

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(A)	providing T.M.T Steel reinforcement for R.C.C. work including, Straightening Cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with GI's completed as per Specification.						
	Double Mat		main Bar x 12mm dia @ 100mm c/c				
	For R.C.C Culverts		0.89 kg/mtr.				
a)	For Culvert-1, 2nd cross (Infront of Ambedkar bhavan)	2	60	5.40	0.89	57672 kg	
			Distribution Bar x 10mm dia @ 100mm c/c				
			0.62 kg/mtr				
	Total length of culvert = 5.80 mtr.	2	56	5.80	0.62	= 402.75 kg	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
b)	For culvert-2, 3rd cross Total length of culvert = 6.50 mtr						
		main Bars 12mm dia @ 100mm C/C 0.89 Kg/mtr					
		2X	68 X	5.40 X	0.89 =	653.63	kg
		Distribution Bars 10mm dia @ 100mm C/C 0.62 Kg/mtr					
		2X	55 X	6.50 X	0.62 =	443.30	kg
c)	For culvert-3, 3rd cross Total length of culvert = 5.10 mtr						
		main Bars 12mm dia @ 100mm C/C 0.89 Kg/mtr					
		2X	52 X	4.20 X	0.89 =	388.75	kg
		Distribution Bars 10mm dia @ 100mm C/C 0.62 Kg/mtr					

M. A. R. 57 (Rule 116) No. D
Measurement Book

346339

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2X	44 X	5.10 X	0.62 =	278.26	kg
d)	For culvert-4 Total length of culvert = 5.00 mtr						
		main Bars 12mm dia @ 100mm C/C 0.89 Kg/mtr					
		2X	52 X	4.20 X	0.89 =	388.75	kg
		Distribution Bars 10mm dia @ 100mm C/C 0.62 Kg/mtr					
		2X	44 X	5.00 X	0.62 =	272.80	kg

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
e)	For culvert-5, 11th cross from Mallasandra village Road						
	Total length of culvert = 4.60 mtr						
						Main Bars 12 mm dia @ 100mm c/c 0.89 kg/mtr	
						2 X 48 X 4.20 X 0.89 = 358.85 kg	
						Distribution Bars 10mm dia @ 100mm c/c	
						2 X 44 X 4.60 X 0.62 = 250.98 kg	
f)	For culvert-6, Near Rama mandira						
	Total length of culvert - 9.00 mtr						
						Main Bars 12 mm dia @ 100mm c/c 0.89 kg/mtr	
						2 X 92 X 4.20 X 0.89 = 687.79 kg	
						Distribution Bars 10mm dia @ 100mm c/c	

M. A. R. 57 (Rule 116)
Measurement Book
No. D

346340

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						0.62 kg/mtr	
						2 X 44 X 9.00 X 0.62 = 491.04 kg	
						Present qty = 5193.60 kg	
						Present qty = 5.19 tonne	
						Limited to qty = 5.02 tonne	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಶೆಟ್ಟಿಹಳ್ಳಿ

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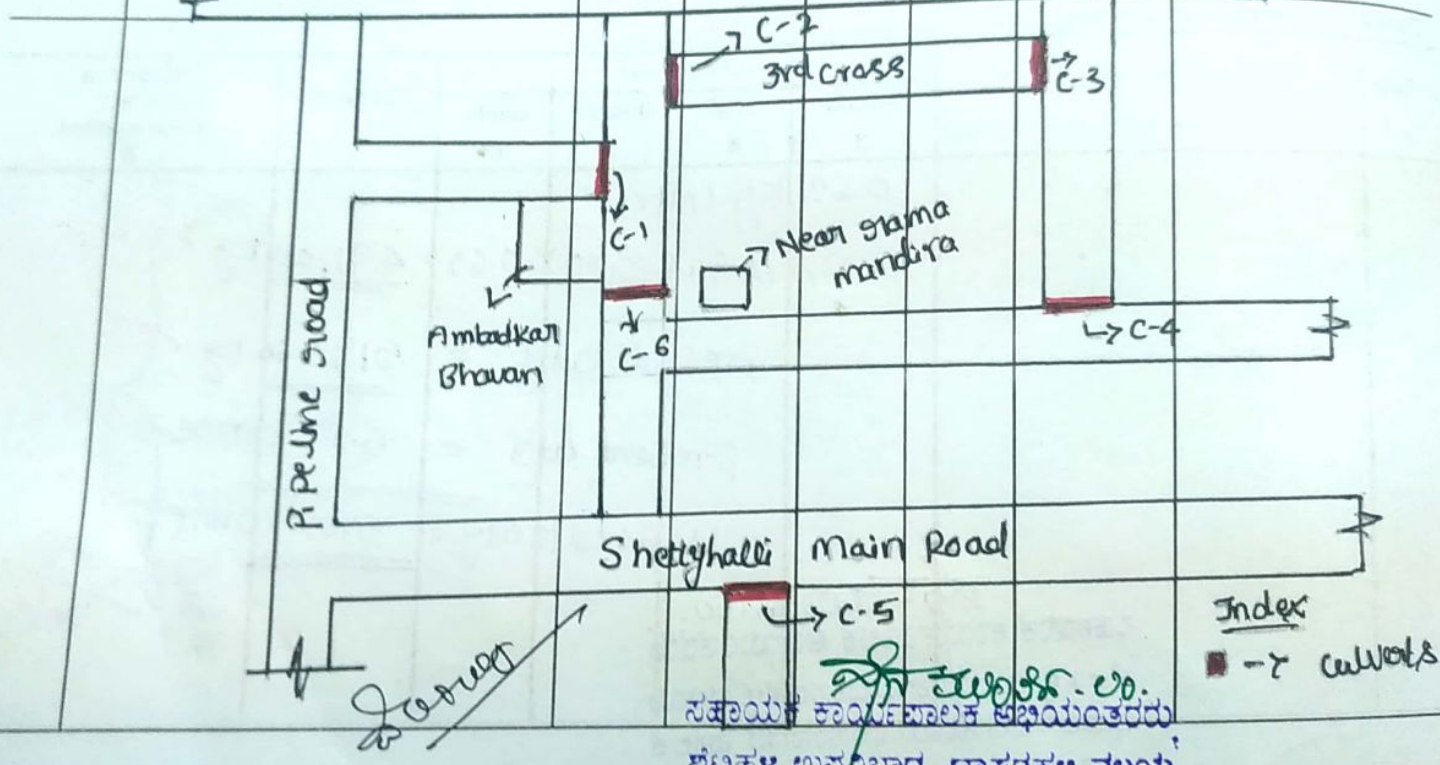
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ

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